

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Yelena Goldin

GENERAL INFORMATION:

Name:	Sweco, Division of M-I, LLC.
Address:	8029 Dixie HWY P.O. Box 1509 Florence, KY 41022-1509
Date application received:	4/9/2008
SIC Code/SIC description:	3569, General Industrial Machinery and Equipment, NEC (except fire hoses and electric swimming pool heaters)
Source ID:	21-015-00102
Agency Interest:	254
Activity:	APE20080001
Permit:	F-08-017

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): Ozone

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)	Allowable (tpy)
PM/PM ₁₀	5.04	5.04	N/A
Cumane	0.51	0.51	N/A
Ethyl Benzene	2.9	2.9	N/A
MIBK	1.17	1.17	N/A
VOC	38.47	38.47	18
Xylene	14.93	14.93	9
Toluene	11.11	11.11	9
Source wide HAPs	30.62	30.62	22.5

SOURCE DESCRIPTION:

On April 9, 2008, the source applied to the Division for the construction/operation of the new emission points (EP#06 and EP#07) at the facility in Florence, Kentucky for the manufacturing and repairing of high quality filtration machinery and filtration screens for various industries.

SWECO will install a large paint booth (EP#06) and an infrared curing oven (EP#07), which will be performed in conjunction with the removal of the existing paint booth, EP#04. SWECO will also make modifications to their current insignificant activity operations.

The addition of the new emission points resulted in changing the status of this facility from being a minor source (S-04-047) to major source (F-08-017). Potential emissions of Toluene and Xylene, a hazardous air pollutants (HAP), as well as combined HAPs from the new emission points will exceed 10 tons per year for individual HAP and 25 tons per year for combined HAPs. Thus, the SWECO facility would be classified as a major source under the Title V permit program. However, the facility voluntarily accepted permit limitations of source-wide HAPs emissions of less than 9 tpy of individual HAP and 22.5 tpy of total HAPs to be classified as a Conditional Major.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The paint booth is subject to the opacity and particulate mass emission rate standards specified in 401 KAR 59:010, New Process Operations. The opacity of emissions from a control device or stack shall not exceed 20 percent based on a 6 minute average (24 observations at 15 second intervals). The emission rate of particulate matter from a control device or stack shall not exceed 2.34 pounds per hour.

The emission rate of individual hazardous air pollutants (HAP) and combined HAP shall not exceed 9.0 tons and 22.5 tons respectively for any twelve (12) consecutive month period. These emission

limits shall preclude the applicability of 40 CFR 63, Subpart M - NESHAPs for surface coating of miscellaneous metal parts and products. The emission rate of volatile organic compounds shall not exceed 18 tons for any twelve (12) consecutive month period. This emission limit shall preclude the applicability 401 KAR 59:225, New miscellaneous metal parts and products surface coating operations, applicable to affected facilities commenced on or after June 24, 1992, which are part of major source located in county or portion of a county designated attainment or marginal nonattainment for ozone in 401 KAR 51:010.

OPERATIONAL FLEXIBILITY: N/A